

Abstract

The fluid pump has a housing (10, 12) that contains a pump chamber (14) in which at least one rotary driven delivery element (16, 18) is contained, which delivers fluid to a pressure chamber (42) from an intake chamber (40) connected to a reservoir. The fluid pump has a pressure limiting valve (50) for limiting the pressure prevailing in the pressure chamber (42), which valve has a valve piston (60) inside the housing (10, 12), which valve piston (60) is acted on in the closing direction by a prestressed closing spring (62) and is acted on in the opening direction by the pressure prevailing in the pressure chamber (42) and, when a predetermined pressure in the pressure chamber (42) is exceeded, opens a connecting conduit (52) from the pressure chamber (42) to the intake chamber (40). The fluid pump is preceded by a filter (82) and/or is followed by a filter (83) and contains a pressure chamber (85) that has a connection to a region downstream of the preceding filter (82) or a connection to a region downstream of the subsequent filter (83). The pressure prevailing in the pressure chamber (85) influences the force on the valve piston (60) in the closing direction in such a way that as the pressure in the pressure chamber (85) decreases, the force on the valve piston (60) in the closing direction increases.